

HORIZONTAL HIGH-PRESSURE STEAM ENGINES.

The materials and workmanship of these Engines are of the very best description, and the general arrangement of all the parts will be acknowledged to be improvements upon most of the Horizontal Engines at present offered to the public.

The Piston can be taken out at the back of the Cylinder, requiring to remove nothing in the front except the cross-head nut on end of Piston Rod. The Stuffing Box neck in front cover of Cylinder is made long, making a durable wearing surface. The Pistons are deep, and consequently lasting. The Piston Rods are Steel. All the Covers are fitted with forcing screws, to take them off easily when required, without wedges which much damage the joints. The Cylinders are sufficiently thick to allow of re-boring four times. The Guide Blocks are made long to last well. The Slide Rod has a very substantial guide outside the Stuffing Box. The Slide Box can be taken off to repair the Slide face when required without having to remove the Cylinder. All the joints are planed. The Slide Valve is so constructed that it cannot get out of order, and will wear well. The Pumps are bored all the way through, and the Valves arranged so as to get at quickly. All the forgings are made of faggoted iron. The working joints are all case-hardened. The Crank Shaft is of Wrought Iron, and can be reversed to which side of the Engine may be most convenient for the purchaser's premises. The Gun-Metal Bearings are stout and broad. Each Engine has Governors, Throttle Valve, and Feed Pump.

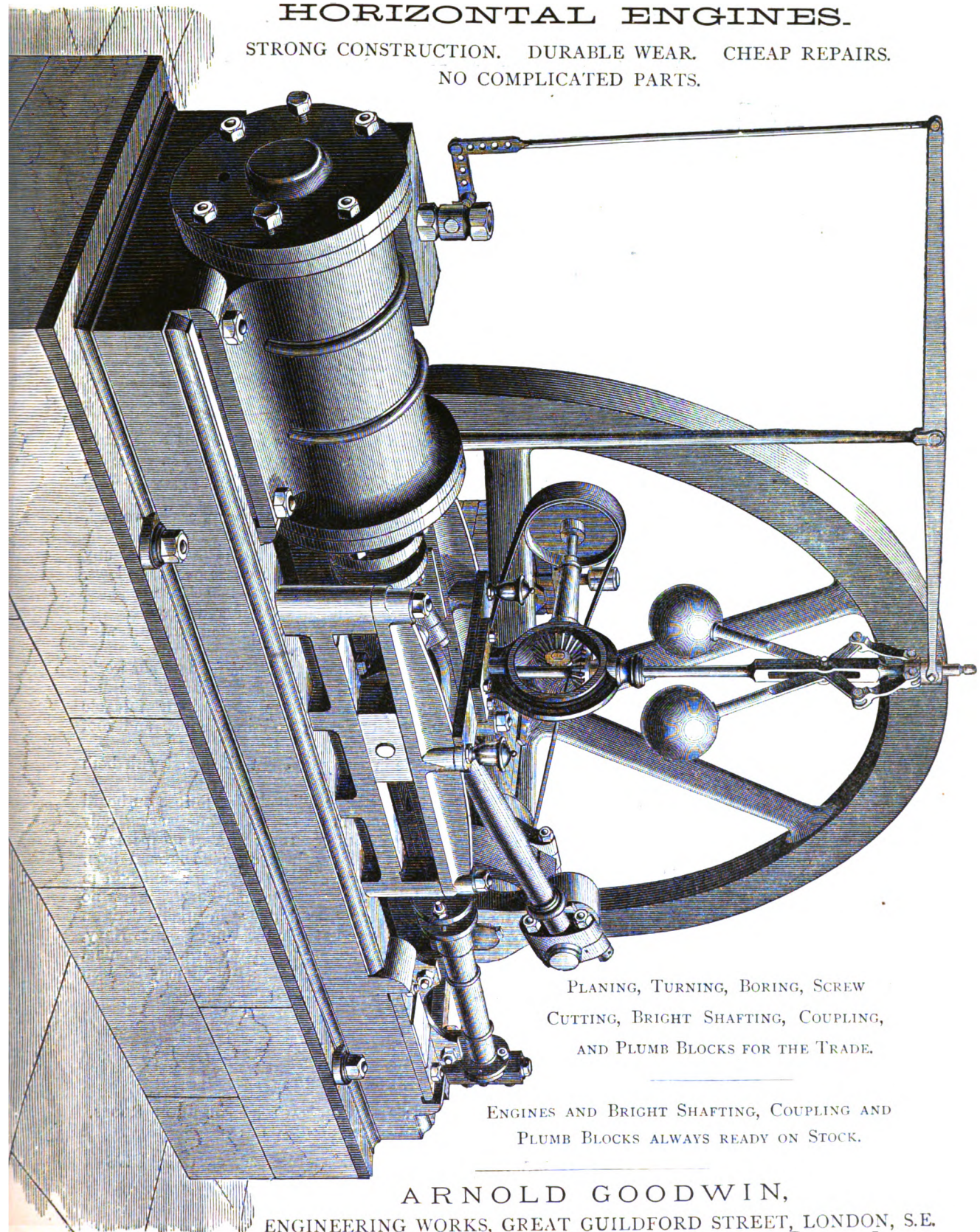
A number of these Engines can be seen at work in London.

Horse-power.	Diameter of Cylinder.	Length of Stroke.	Diameter of Crank Shaft.	Diameter of Fly Wheel.	Weight of Fly Wheel.	PRICE.
	inches.	inches.	inches.	feet. inches.	ton. cwt.	£
4	6½	13	2½	5 0	0 6	52
6	8½	15	3	5 6	0 9	75
8	9½	16	3½	6 0	0 12	92
10	10½	19	3½	7 6	0 15	115
12	11	20	3¾	8 0	0 18	138
14	12	22	4	8 6	1 0	154
16	13	24	4	8 6	1 7	172
20	14½	25	4½	9 0	1 10	200
25	16½	30	5	10 0	2 0	250

ARNOLD GOODWIN,
ENGINEERING WORKS, GREAT GUILDFORD STREET, SOUTHWARK, LONDON, S.E.

HORIZONTAL ENGINES.

STRONG CONSTRUCTION. DURABLE WEAR. CHEAP REPAIRS.
NO COMPLICATED PARTS.



PLANING, TURNING, BORING, SCREW
CUTTING, BRIGHT SHAFTING, COUPLING,
AND PLUMB BLOCKS FOR THE TRADE.

ENGINES AND BRIGHT SHAFTING, COUPLING AND
PLUMB BLOCKS ALWAYS READY ON STOCK.

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